REMARKS

Claims 1 - 11 and 21 have been withdrawn from consideration and are now cancelled. Claims 12-18, 20, 22, and 23 rejected under §§ 102 and 103, have been cancelled. Claim 19 was indicated as allowable if rewritten to include all base claim limitations. This has been done in new claim 24 submitted herewith. All the new dependent claims depend from new Claim 24 and are therefore deemed to recite patentable subject matter; and new Claims 33 and 34 include the subject matter indicated as patentable in now-cancelled claim 19.

Submitted herewith are new claims which Applicants believe define patentable subject matter.

§ 102 & § 103 Rejections

Claims 12-18, 20, 22 and 23, rejected under § 102 and § 103, have been cancelled.

The new claims 24 - 34 presented here correspond roughly to some of the now cancelled claims as follows:

New Claim	Old Claim
24	12 + 17 + 18 +19
25	2
26	3
27	4
28	7
29	8
30	9
31	10
32	11
33	22
34	23

Specification

The suggested changes for the Specification have been made to overcome the objections to the disclosure and both marked-up and new clean pages with the changes are submitted herewith. Also, "palte" has been changed to --plate-- at Page 11, line 24.

Conclusion

Applicants appreciate the careful and detailed Office Action. This is intended to be a complete Response to the Office Action. Early and favorable reconsideration is respectfully requested.

Respectfully submitted,

Guy McClung
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Date: 18 APR 06

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CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

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Patent

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ward et al	§	
	§	Art Unit:
Serial No: 10/649,316	§	
	§	Examiner:
Filed: 08/27/2003	§	
	§	Atty Docket No: SC 089
For: Automated Methods For Making Screen Assemblies For Vibratory Separators	§	Conf. No. 4608

RESPONSE TO OFFICE ACTION MAILED 04/07/2006

MARKED-UP PAGES 11 AND 12

the belt 133 and are, optionally, releasably mounted on supports 149. The frames move successively from a welder 141 through cleaner apparatus 142, heater apparatus 143, and coating apparatus 144.

40. The present invention, therefore, provides, in at least certain embodiments, a method for making a frame for a screen assembly for a vibratory separator the method including making a frame support for a screen assembly for a vibratory separator with robotic welding apparatus, moving the frame support to cleaning apparatus, cleaning the frame support with the cleaning apparatus, moving manually and/or with mechanical movement apparatus the frame support to heating apparatus, heating the frame support with the heating apparatus, moving the heated frame support to coating apparatus with mechanical movement apparatus, coating the frame support in the coating apparatus with protective material, and allowing the coated frame support to cool so that the protective material sets. Such a method may have one or some, in any possbile combination, of the following: wherein the protective material is epoxy; wherein the cleaning apparatus is sand blasting apparatus or liquid cleaning apparatus; wherein the frame support is made of tubular members, either hollow or solid; emplacing a grid adjacent the frame support; connecting the grid to the frame support; producing the grid by punching with robotic punching apparatus a ~~palte~~ plate or piece for supporting screening material; wherein automated movement apparatus moves the frame support between any ~~tow~~ two steps and/or from step to step; wherein automated movement apparatus moves the grid from the punching step to the cleaning apparatus; connecting a secondary support to the frame support; and/or wherein the secondary support is from the group consisting of perforated plate and strip support.

The present invention, therefore, provides, in at least certain embodiments, a method for making a screen assembly for a vibratory separator the method including making a frame support

[using~~a ny~~ any method disclosed above] and combining screening material with the frame support. Such a screen assembly may ~~hoave~~ have one or some, in any possible combination, of the following: wherein the screening material comprises a plurality of layers of screening material; wherein the layers of the plurality of layers of screening material are connected together; wherein the layers are connected together by a method from the group consisting of bonding, sewing, gluing, and adhering; wherein the screening material is combined with the frame support by a method from the group consisting of fastening, welding, gluing, adhering, and bonding; connecting a grid to the frame support; wherein the grid is from the group consisting of coarse mesh layer, perforated plate, and strip support; and/or wherein the screening material is a first layer of screening material and a second layer of screening material, the method further including placing the first layer of screening material below a glue application apparatus for applying heated initially flowable hot melt glue, the first layer of screening material made of metal, and including a first metal mesh through which liquid in the fluid is passable and having a first metal mesh pattern, applying with the glue apparatus an amount of heated hot melt glue in a pattern to the top surface of the first layer of screening material, positioning a second layer of screening material adjacent and in contact with the first layer to which glue has been applied gluing together the first layer and the second layer, the second layer of screening material made of metal and including a second metal mesh through which liquid in the fluid is passable, and wherein the pattern of applied glue is different from the first metal mesh pattern.

The present invention, therefore, provides, in at least certain embodiments, a vibratory separator having screen assembly holding apparatus, vibrating apparatus for imparting vibration to the screen assembly apparatus, and the screen assembly apparatus as any disclosed herein and/or with a frame support made by any method